

H.B. Fuller Docket No. 96-082-1-US-01
U.S.S.N. 09/584,248

LISTING OF THE CLAIMS

Claims 1-5 (cancelled)

6.(Previously presented) A method of coating, wherein a hot melt adhesive, which has been thermally made flowable, is provided in the form of a substantially continuous nonporous film without contact of the film with a substrate, and said film is then disposed upon a release-coated substrate comprising a web and is then transfer-coated onto a second substrate.

Claims 7-41 (cancelled).

42.(Previously presented) A method of coating a substrate, said method comprising
releasing a hot melt adhesive that has been thermally made flowable from a coating device in the form of a substantially continuous film without contact between said coating device and a substrate; and
contacting the surface of a substrate comprising a substantially nonporous moving web with said continuous film to form a coated substrate having a continuous coating having an area weight less than about 30 g/m²,
said coated substrate being essentially free of entrapped air between the coating and the substrate.

43. (Previously presented) The method of claim 42, wherein said coating has an area weight of less than about 10 g/m².

Claims 44-47 (cancelled)

48.(Previously presented) A method of coating, comprising
releasing a hot melt adhesive, which has been thermally made flowable, from a coating device onto a substantially nonporous substrate as a substantially

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continuous coating without contact between said coating device and said substrate,

subsequently disposing said substantially continuous coating upon the surface of said substrate at a coating weight of less than about 10 g/m²; nipping said coated substrate between a first roller and a second roller; and contacting the coating of said nipped substrate with a second substrate.

Claims 49-62 (cancelled).

63.(Previously presented) A method of coating, wherein a thermoplastic material, which has been thermally made flowable, is provided in the form of a substantially continuous nonporous film without contact of the film with a substrate and said film is then coated onto a nonporous substrate, said coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature,

said method further comprising transferring said continuous film from said first substrate to a second substrate.

Claims 64 and 65 (cancelled)

66.(Previously presented) A method of coating, wherein a thermoplastic material, which has been thermally made flowable, is provided in the form of a substantially continuous nonporous film without contact of the film with a substrate and said film is then coated onto a nonporous substrate, said coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature, said method further comprising

nipping said coated substrate and
contacting the coating of said nipped substrate with a second substrate.

Claims 67-74 (cancelled)

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Claims 75-87 (cancelled)

88. (Currently Amended) A method of coating comprising:
releasing a hot melt adhesive composition that has been thermally made flowable from a coating device in the form of a continuous film without contact between said coating device and a substrate, said hot melt adhesive composition comprising thermoplastic polymer, and tackifying resin;
contacting a first roller with said continuous film; and
transferring said continuous film from said first roller to a first substrate.

89. (Previously presented) The method of claim 88, further comprising nipping said continuous film and said substrate between said first roller and a second roller.

90. (Previously presented) The method of claim 88, wherein said first substrate comprises film, foil, or paper.

91. (Previously presented) The method of claim 88, comprising contacting an exposed surface of said continuous film with a second substrate

92. (Previously presented) The method of claim 91, wherein said first substrate comprises film and said second substrate comprises foil.

93. (Previously presented) The method of claim 91, wherein said first substrate comprises foil and said second substrate comprises film.

94. (Previously presented) The method of claim 91, wherein at least one of said first substrate and said second substrate comprises metallized film.

95. (Previously presented) The method of claim 91, wherein said first substrate comprises paper and said second substrate comprises film.

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96. (Previously presented) The method of claim 91, wherein said first substrate comprises film and said second substrate comprises paper.

97. (Previously presented) The method of claim 91, wherein said second substrate is selected from the group consisting of elastomeric strands, elastomeric web, tissue, cardboard, coverstock, nonwoven web, and combinations thereof.

98. (Previously presented) The method of claim 91, wherein said second substrate comprises a sheet.

99. (Previously presented) The method of claim 88, wherein said substrate comprises printed cardboard, printed paper, or photographic paper.

100. (Previously presented) The method of claim 88, wherein said substrate comprises transparent film.

101. (Previously presented) The method of claim 48, wherein said first substrate comprises film and said second substrate comprises foil.

102. (Previously presented) The method of claim 48, wherein said first substrate comprises foil and said second substrate comprises film.

103. (Previously presented) The method of claim 48, wherein at least one of said first substrate and said second substrate comprises metallized film.

104. (Previously presented) The method of claim 48, wherein said first substrate comprises film and said second substrate comprises paper.

105. (Currently amended) The method of claim ~~33~~ 48, wherein said continuous film has an area weight of less than about 10 g/m².

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106. (New) The method of claim 42, further comprising nipping said continuous film and said substrate between a first roller and a second roller,

107. (New) The method of claim 106, wherein said contacting and said nipping occur substantially simultaneously.

108. (New) The method of claim 42, wherein said substrate comprises a polymeric film.

109. (New) The method of claim 42, wherein said substrate comprises foil.

110. (New) The method of claim 42, wherein said substrate comprises metallized polymeric film.

111. (New) The method of claim 42, wherein the substrate of said coated substrate is a first substrate, said method further comprising contacting the coating of said coated substrate with a second substrate.

112. (New) The method of claim 111, wherein said second substrate comprises a polymeric film.

113. (New) The method of claim 111, wherein said second substrate comprises foil.

114. (New) The method of claim 111, wherein said second substrate comprises metallized polymeric film.

115. (New) The method of claim 111, wherein said second substrate comprises paper.

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116. (New) The method of claim 112, wherein said first substrate comprises a polymeric film.

117. (New) The method of claim 113, wherein said first substrate comprises foil.

118. (New) The method of claim 113, wherein said first substrate comprises polymeric film.

119. (New) The method of claim 114, wherein said first substrate comprises metallized polymeric film.

120. (New) The method of claim 42, wherein said hot melt adhesive has a complex viscosity of less than about 500 poise at 1000 radians/sec at the coating temperature.

121. (New) The method of claim 120, wherein said hot melt adhesive has a complex viscosity of less than about 1000 poise at 1 radians/sec at the coating temperature

122. (New) The method of claim 42, wherein the adhesive composition is released from the coating device at a temperature less than about 177°C.

123. (New) The method of claim 42, wherein the adhesive composition is released from the coating device at a temperature less than about 160°C.

124. (New) The method of claim 42, wherein the adhesive composition is released from the coating device at a temperature less than about 125°C.

125. (New) The method of claim 42, wherein the adhesive composition is released from the coating device at a temperature less than about 110°C.

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126. (New) The method of claim 42, wherein the distance between the coating device and the substrate is greater than 20 mm.

127. (New) The method of claim 42, wherein the coating device is a slot nozzle.